

A Dynamic Environment for Creative Computer Professionals



GENERAL DYNAMICS

Data Systems Division

THE BEST OF TWO WORLDS

Employees of General Dynamics Data Systems Division (DSD) enjoy the multifold advantages provided by a large, diversified corporation along with the pleasant working environment of a small, single-purpose company. While DSD provides data systems services to General Dynamics operating units, it is organized and managed as a single function.

More than 2500 men and women — over 1500 of whom are computer professionals — provide a full complement of data systems services to meet the needs of a corporate family whose products cover a spectrum from nuclear submarines to telephone communications to the most sophisticated aerospace transport vehicles/systems.



OUR BUSINESS

At DSD, we take great pride in developing and using software to meet the special needs of General Dynamics' innovative products, and we are equally proud of the business programs we have developed to support the management of the far-reaching operations of General Dynamics.

Special Application Software

We have developed software to direct the intricate mechanisms that guide missiles and space vehicles and software to direct the control systems in computerized telephone switching networks. We also support research and development programs by providing software that enables General Dynamics scientists to investigate problems in physics, chemistry, electronics, and optics with unprecedented precision and accuracy.

General Business Software

Our automated data processing (ADP) activity provides software and systems that serve as tools for decision-making and operation of the General Dynamics divisions and subsidiaries. These activi-

ties include analytical methods and procedures for finance, logistics, inventory control, engineering support and corporate office support; factory applications including robotics and automatic control of production processes; and production of up-to-the-second operating reports.

As data processing and software systems acquire greater capabilities, the work of DSD becomes more critical to the management and operating functions of General Dynamics, as well as to the development and performance of its products.



THE GENERAL DYNAMICS FAMILY

Our customers all belong to the General Dynamics family, but, as far as we are concerned, each is serviced as a separate company. Their products incorporate advanced technological and engineering breakthroughs that, in turn, set patterns for data processing operations and software development.

DSD is a highly talented, professional source of data processing and software development for a multiplicity of General Dynamics operations and products. The diverse challenges we encounter can be seen in the wide range of markets served by General Dynamics operating units across the nation . . .

Convair Division

San Diego, California —

Develops and produces systems and structures for aircraft, missiles, space vehicles; also laser systems and nuclear fusion research equipment.



Electric Boat Division

Groton, Connecticut —

The Navy's prime source of nuclear-powered submarines, including its first and most famous, the *Nautilus*, and now the *Trident*, the largest and most advanced undersea vessel ever designed.



Electronics Division

San Diego, California —

Engaged primarily in the development and production of military electronics systems, including automatic test equipment, range instrumentation and measurement systems, tactical data systems, and navigation satellite systems.



Datagraphix, Inc.

San Diego, California —

Producer of first Computer Output Microfilm (COM) equipment; world leader in the rapidly growing field of computerized microfilm recording.

Corporate Headquarters

St. Louis, Missouri —

Headquarters for accounting, finance, marketing, and other areas of corporate management.

Fort Worth Division

Fort Worth, Texas —

Leading producer of military aircraft, notably, the F-16 Air Combat Fighter; engaged in the Command, Control, Communication and Intelligence, and Interoperability technologies. Previous accomplishments include the B-24, B-36, B-58 (world's first supersonic bomber), and F-111.



Material Service Corporation

Chicago, Illinois —

The largest building material company in Chicago, with a line of more than one hundred separate building products, including cement, concrete pipe, crushed stone, sands and pre-stressed hollow core slab.

Land Systems Division

Detroit, Michigan —

Developer and producer of the new M1 Abrams Tank, the M60 Tank and other land vehicles. Headquartered in Detroit, Michigan with additional engineering and/or manufacturing facilities in Lima, Ohio and Enon, Pennsylvania.



Marblehead Lime Company

This Chicago-based organization is the nation's largest manufacturer of lime, with deposits from the Alleghenies to the Rockies. It serves the steel, chemical, construction, agriculture and numerous other industries. The company's lime producing plant at Buffington, Indiana, is the most modern in the nation.

Pomona Division

Pomona, California —

Developer and producer of advanced tactical missiles and gun systems involving the use of sophisticated logic circuits, guidance systems, microwave antennas, radar optics, and aerothermodynamics.



Freeman United Coal Mining Company

This coal producing company, headquartered in Chicago, has assumed even greater importance in the General Dynamics family as a result of increasing and long-range national energy needs.

Quincy Shipbuilding Division

Quincy, Massachusetts —

One of the largest and most modern shipyards in the United States. Builds special-purpose commercial and naval vessels; holds a front-rank position in modern shipbuilding technology with the development and construction of 125,000 cubic meter liquefied natural gas tankers.



NO BOUNDARIES AT DSD

It is impossible for a capable professional to get "boxed in" at DSD where the work is endlessly stimulating. Even the specialist will find a varied diet of challenges to engage his or her special interest and background.

Much of the work at General Dynamics involves advanced research and development areas where the projects constantly push the state-of-the-art, so

we invest a good part of our efforts in scientific and engineering exploration. Science and engineering virtually comprise another product. Naturally, DSD plays an essential role in all of these activities.

Here is a sampling of the products and projects we come to grips with at DSD in the course of our regular activity:



National Defense/ Government

- Nuclear submarines
- Military aircraft
- Tactical and strategic cruise missiles
- Satellite navigation
- Aerospace vehicles
- Weapons systems
- Communication command and control
- Intelligence and interoperability systems
- Guidance and control systems



Commercial/Industrial

- Precision electronics
- Telemetry/communications
- Computer Output Microfilm
- Navigation systems
- Tankers/cargo vessels
- Inventory management
- Digital telephone switching systems



Scientific/Engineering

- Cryogenics
- Optical systems
- Physics/chemistry research
- Scientific experiment design
- Operations research
- Microwave transmission
- Structural designs



THE ADVANTAGES OF CENTRALIZATION

Because General Dynamics utilizes one computer service organization to serve its widely different industries, some extraordinary benefits and advantages are available to the people of DSD.

Diversified applications

General Dynamics divisions operate in government, scientific, and industrial areas, producing a multiplicity of products and services. Accordingly, DSD is presented a wide range of challenges that call upon many disciplines and specialties. Professional careers are virtually unlimited.

Advanced technology

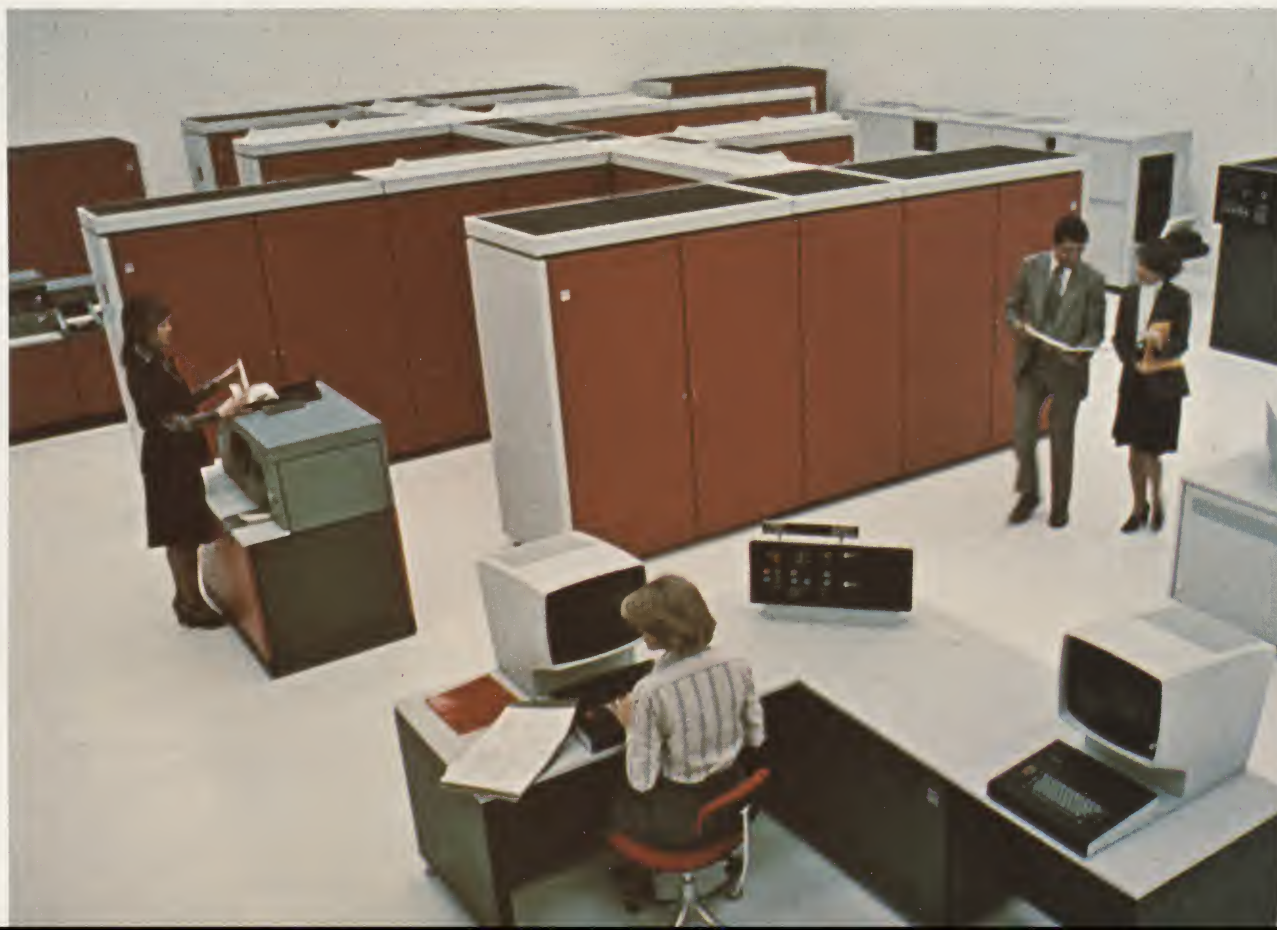
Because General Dynamics is heavily engaged in research and development activity in many different areas, 10% of General Dynamics employees are scientists or engineers. And DSD professionals are problem-solving members of General Dynamics teams working at the leading edge of current military, space transportation, communications, industrial, and nuclear technologies.

Ample resources

With one organization supplying all of the data processing development and implementation services for such a large and diversified company, we are able to staff well-qualified technical personnel in the various specialties and sub-specialties of computer and software related technologies.

Upward mobility

Unlike an ordinary Data Processing department that is subordinate to operating and administrative functions, DSD is a full-fledged organization whose hierarchy reaches up through all levels to top management. There is no ceiling on professional advancement up the career ladder within General Dynamics Data Systems Division.



THE TOOLS OF DSD

The heavy load and diverse requirements concentrated in DSD are served by a versatile assemblage of data processing equipment and systems housed in the three major data service centers. In addition, various remote processors are placed throughout the General Dynamics organization in an extensive network. A process of acqui-

sition and replacement provides advanced versions of every useful and necessary type of hardware for DSD professionals. The best way to exemplify the extent and capabilities of DSD data processing resources is to spotlight some key hardware items to indicate their power and potential.



WHAT'S AHEAD AT DSD

In the rapidly expanding world of computing, tomorrow is what we planned yesterday and accomplished today. Innovative developments in equipment, systems and methods create new needs along with the means of serving them. In the predictable future, DSD will use the emerging capabilities of computers to develop innovations in management systems to improve the effectiveness of management decisions and controls. As the challenge in this highly diversified, complex busi-

ness becomes more intricate, creative use of the available computer resources will be essential for efficient, profitable operation. It is evident that DSD plays a key role in virtually every aspect of GD activities: product development, production methods and quality control, financial and administration. With all the advanced digital systems at our command, it's a future that calls for people of ingenuity and resourcefulness.



GOOD LIVING AND GOOD CAREERS

Our data centers are located in San Diego, California, Fort Worth, Texas, and Norwich, Connecticut, three of the most desirable living areas in the country. In addition, our computer professionals are assigned to other General Dynamics divisions and locations nationwide.



San Diego:



Fort Worth:



Norwich:

General Dynamics

Western Center
P.O. Box 80847
San Diego, CA 92138

General Dynamics

Central Center
P.O. Box 748
Fort Worth, TX 76101

General Dynamics

Eastern Center
100 Winnenden Road
Norwich, CT 06360

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GENERAL DYNAMICS

Data Systems Division

An equal opportunity employer m/f.